

ELECTRICAL-MECHANICAL ENGINEERING WORKSHOP

Monday, August 13

REGISTRATION - 9:00 AM TO 8:00 PM (See Note 1)

ICE BREAKER IN VENDOR EXHIBIT AREA - 5:00 PM TO 8:00 PM

Tuesday, August 14

Start Time	Electrical		Mechanical	
	Military Programs	Civil Works	Civil Works	Military Programs
8:00 AM	Opening Remarks, Brian Doyle, CESPK			
8:15 AM	Colonel Larry Davis, Commander, South Pacific Division			
8:45 AM	Maintaining Technical Expertise in Engineering and Construction - Dwight Beranek, CECW-E			
9:30 AM	BREAK			
10:00 AM	Knowledge Management, John Lanzarone, CECW-EE			
10:30 AM	Technical Training - Gary Andrew, Huntsville			
11:00 AM	VENDOR EXHIBITS AND LUNCH			
	Room N1-2		Room N3-4	
	Moderator - Joe Hovell, CESPDP		Moderator - Randy Miller, CEHNC	
1:00 PM	Opening Remarks and Unified Facility Criteria - Bob Billmyre, CECW-ET-E		Opening Remarks and Unified Facility Criteria - Bob DiAngelo, CECW-ET-E	
1:30 PM	Impacts of NEC 2002 Code, Johnny Baggette, CESAD-MT-ET		Sustainable Design - Harry Goradia, CECW-ET-E	
2:00 PM	Voice over IP - Bob Fite, CECW-ET-E		Focused High Intensity Radiant Heating - Roger Johnson, Radiant Optics	
2:30 PM	Sustainable Design - Harry Goradia, CECW-ET-E			
3:00 PM	VENDOR EXHIBITS AND BREAK			
	Room N1-2		Room N3	Room N4
	Moderator - Freddie Rush		Moderator - Dan Casapulla	Moderator - Bob DiAngelo
4:00 PM	3D CADD in Electrical Design -Two Case Studies - Hank Braswell, CEMVK		Cold Weather Operation of Stormwater Pumping Stations - Tim Paulus, CEMVP	Barracks Mold/Mildew Study in Korea - Jason Kim, CEPOF
4:30 PM	Combination of Lock Automation and Remote Control - Andy Schimpf CEMVS		Pumping Station 332B - Stan Pilinski, CESAJ	HVAC Task Force - Gary Bauer, CECW-ET-C
5:00 PM	Condition Monitoring -Andy Schimpf, CEMVS		Regulating Outlet Gate Testing - Ron Bockerman, CENWO & Phil Wagner CENWD	
5:30 PM	VENDOR EXHIBITS (5:30 TO 6:30)			
6:00 PM	Tour of Reno Hilton Hotel - Electrical and Mechanical Systems (6:00 PM TO 7:00 PM) (Optional)			

ELECTRICAL-MECHANICAL ENGINEERING WORKSHOP

Wednesday, August 15

Wednesday, August 15				
Start Time	Electrical		Mechanical	
	Military Programs	Civil Works	Civil Works	Military Programs
7:00 AM	VENDOR EXHIBITS (Note 2)			
	Room N1	Room N2	Room N3	Room N4
	Moderator - Bob Billmyre	Moderator - Bryan Radtke	Moderator - Dan Casapulla	Moderator - Harry Goradia
7:45 AM	ARC Fault Circuit Breakers - Chuck Hastings, Cutler Hammer	Replacement of the Folsom Dam Electrical System - Bill Wadsworth (CESPK)	Emsworth Dam Vertical Lift Gates Staged Lift Operating System - T.J. Fichera (CELRP)	'Open' Direct Digital Control Systems (DDC) for HVAC - Dave Schwenk ERDC-CERL-IL
8:15 AM	Energy Savings Transformers - David Korn, DoE	Electronic Security at Hydroelectric Facilities. Donna Lawson ESS-MCX (CEHNC)	Evaluation of Self-Lube Bushings for Navigation Locks - Dave Stephenson (CERL)	
8:45 AM	Army Energy Program Issues, Satish Sharma	Data Acquisition & Control Systems - Hydropower - Jim Mahar (CENWP)	Lifting Chain Design for Roller and Tainter Gates - Tim Paulus (CEMVP)	
9:15 AM	VENDOR EXHIBITS AND BREAK			
	Room N1	Room N2-3		Room N4
	Moderator - Bob Fite	Moderator - Jim Pace		Moderator - Harry Goradia
10:00 AM	Power Quality and Harmonic Currents - Michael Lowenstein, Harmonics Limited	Powerhouse Crane Safety and Rehab Issues. Jim Kerr & Glen Woodward CENWP		Increase Priority of Comfort - Mike Weise, The Trane Company
10:30 AM	Non-Linear Loads/Harmonics - Al Sidhom, CESPDP	Mechanical/Electrical Lock and Dam Equipment Failure Data Website - James Bartek & Bryan Radtke, CEMVR		
11:00 AM	Non-Linear Loads/Harmonics Panel Discussion- Chaired by Al Sidhom, CESPDP	Condition Based Risk Screening of Dam Gates - Luc Chouinard, McGill University		
11:30 AM	VENDOR EXHIBITS AND LUNCH			

ELECTRICAL-MECHANICAL ENGINEERING WORKSHOP

Wednesday, August 15

Wednesday, August 15				
Start Time	Electrical		Mechanical	
	Military Programs	Civil Works	Civil Works	Military Programs
	Room N1	Room N2-3		Room N4
	Moderator - Bill Wadsworth, CESPK	Moderator - Mark Robertson		Moderator - Scott Barmann
1:00 PM	Alternate Power Systems - Larry Covert, CESAM	Ste. Genevieve Pump Station - Stephen Farkas & Shane Nieukirk , CEMVS		Army Energy Program Issues, Satish Sharma
1:30 PM	400 Hz Systems- Applications and Limitations - Mian Rehman, CENWK	Southwest Regional Hydropower Major Rehab Initiative - Elisa Pellicciotto, CESWD		Energy Savings Performance Contract at Tobyhanna Army Depot - William L. Leonard, TAD
2:00 PM	Transient Voltage Surge Suppression - AC data Systems, Rich Lewis	Manatee Sensor Devices of Vertical Lift Gates and Sector Lock Gates - Gerald DeLoach, CESAJ		Measurement and Verification of Energy Projects, David Underwood, ERDC-CERL-IL
2:30 PM	VENDOR EXHIBITS AND BREAK			
	Room N1	Room N2-3		Room N4
	Moderator - John Mac, CESPK	Moderator - Jim Bartek		Moderator - Scott Barmann
3:15 PM	Cellular Floors and Modular Furniture - Rachael Haunz, CELRL	Critical Evaluation of Lock Automation in the Corps and in Europe - Ashok Kumar & Dave Stephenson (CERL)		Leak Detection for Underground Pipes and Storage Tanks - Vincent Hock, ERDC-CERL-IL
3:45 PM	Lighting - James Benya, DoE	Remote Control for Haarbach Lock, Germany (Pilot Project) Dr Rolf Kuehlewind (Nuremberg)		Low Maintenance Water Treatment for Heating and Cooling Systems - Vincent Hock, ERDC-CERL-IL
4:15 PM		Cathodic Protection Remote Monitoring Systems - Vicki Van Blaricum, CEERD-CF-M		Energy Recovery, Commercial and Institutional Comfort Applications - Rebecca Peterson, Greenheck Fan Corp.
4:45 PM	Infant Abduction Systems - Steve Willoughby, CEHNC	St Stephens Crane Failure- Bob Fulton CESAD & Mike Magee CENWP		
5:15 PM	VENDOR EXHIBITS (5:15 TO 6:15)			
6:00 PM	Tour of Reno Hilton Hotel - Electrical and Mechanical Systems (6:00 PM TO 7:00 PM) (Optional)			

ELECTRICAL-MECHANICAL ENGINEERING WORKSHOP

Thursday, August 16

Thursday, August 16				
Start Time	Electrical		Mechanical	
	Military Programs	Civil Works	Civil Works	Military Programs
7:00 AM	VENDOR EXHIBITS (Note 2)			
	Room N1	Room N2	Room N3	Room N4
	Moderator - Bob Fite	Moderator - Freddie Rush	Moderator - Jim Pace	Moderator - Ragan Glandon
8:00 AM	Saving Our Legacy Control Systems - Will White, CEHNC	Lessons Learned Regarding Navigation Dam Controls - Kent Rockow, CEMVR	Turbine Oil Testing - John Micetic, CENWP	Heat Distribution Systems, Vern Meyer, CENWD-MT-E
8:30 AM	Government design in a commercial world - Joseph Swiniarski, CENOW	Pump Station Inspections, PL 84-99, and performing electrical motor megger testing - John Behrens & Robert Ward, CEMVR	General Overview of Coatings - Al Beitelman, CERL	HVAC Commissioning - Jim Martin CELRL and Dahtzen Chu, ERDC-CERL
9:00 AM	Cathodic Protection Requirements for Military Projects Mike Wallace, CESAM	Corrosion Control of Hydraulic Steel Structures - Berry Cannon, CESAM	Low-Flow Withdrawal Control Valves, Gene Dowell, CELRL	
9:30 AM	BREAK			
	Room N1-2		Room N3	Room N4
	Moderator - Bob Billmyre		Moderator - Duke Loney	Moderator - Bob DiAngelo
10:00 AM	Electrical symbols - Mark McNamara CENWO-ED-DC		Greaseless Bushings - Hydropower Field Experience - John Jones, CENWP	Sprinkler System Design Considerations, Mark Robertson CELRL
10:30 AM	Air Terminals for Lightning Protection - Mike McInerney, CERL		Juvenile Fish Turbine Passage Survival Study - Chuck Palmer (CENWW)	Mechanical Design for Aircraft Paint Hangars - John Wilkus, CENWK
11:00 AM	Grounding, Lightning, and Surge Design and Protection - Alltec Corp Daileena Chandler		Oil/Water Separators - Wayne Todd, CENWP	Mechanical Computer Program for HVAC Loads, John Giacomo, CENWK
11:30 AM	Energy Efficient & non Linear Transformers - Ron Lomax, Square D		Environmentally Acceptable Lubricants - John Micetic, CENWP	European Construction Practices (Mechanical) - Mahmut Telli, CENAU
12:00 PM	END OF CONFERENCE			
NOTES: 1. Registration will be available on Tuesday and Wednesday, 9:00 AM to 5:00 PM				
2. Each morning, including Tuesday morning, from 7:00 AM to 7:45 AM, coffee and pastries will be available in the Vendor Exhibit Area				
3. Refreshments will be available in the Vender Exhibit Area during each break				